



Indiana Department of Environmental Management  
Office of Water Quality  
Wetlands Section

Publication Date:  
October 18, 2010

Closing Date:  
November 8, 2010

IDEM ID Number:  
2010-451-54-EMP-A

Corps of Engineers ID Number:  
LRL-2010-878-sjm

## PUBLIC NOTICE

**To all interested parties:**

This letter shall serve as a formal notice of the receipt of an application for **Section 401 Water Quality Certification** by the Indiana Department of Environmental Management (IDEM). The purpose of the notice is to inform the public of active applications submitted for water quality certification under Section 401 of the Clean Water Act (33 U.S.C. § 1341) and to solicit comments and information on any impacts to water quality related to the proposed project. IDEM will evaluate whether the project complies with Indiana's water quality standards as set forth at 327 IAC 2.

- |                                |  |                  |   |
|--------------------------------|--|------------------|---|
| <b>1. Applicant:</b>           | The Honorable Charles Coons<br>Mayor - City of Crawfordsville<br>300 East Pike St.<br>Crawfordsville, IN 47933   | <b>2. Agent:</b> | Ms. Elayna Stoner-Phillips<br>Beam, Longest, and Neff<br>8126 Castleton Rd.<br>Indianapolis, IN 46250 |
| <b>3. Project location:</b>    | SE 1/4 Section 32, Township 19 North, Range 4 West, Crawfordsville USGS Quadrangle<br>Located where Whitlock Ave. crosses an unnamed tributary to Sugar Creek (known locally as Shelly Ditch), in Crawfordsville, Montgomery Co.   |                  |   |
| <b>4. Affected waterbody:</b>  | unnamed tributary to Sugar Creek (known locally as Shelly Ditch)   |                  |   |
| <b>5. Project Description:</b> | The applicant proposes to replace the existing three-sided 97' by 9'-3/4" by 10' culvert with a four-sided 148' by 12' by 12' concrete box culvert. The new box culvert is proposed to be sumped 2' into the stream bed. The additional length of encapsulation is proposed to allow for 2:1 side slopes from the road to the stream; the current culvert slopes are vertical and the existing retaining walls have failed. Riprap is proposed to be placed at the inlet (25') and outlet (40') of the new culvert. Total stream impacts will be 213 linear feet. No mitigation is proposed. |                  |   |

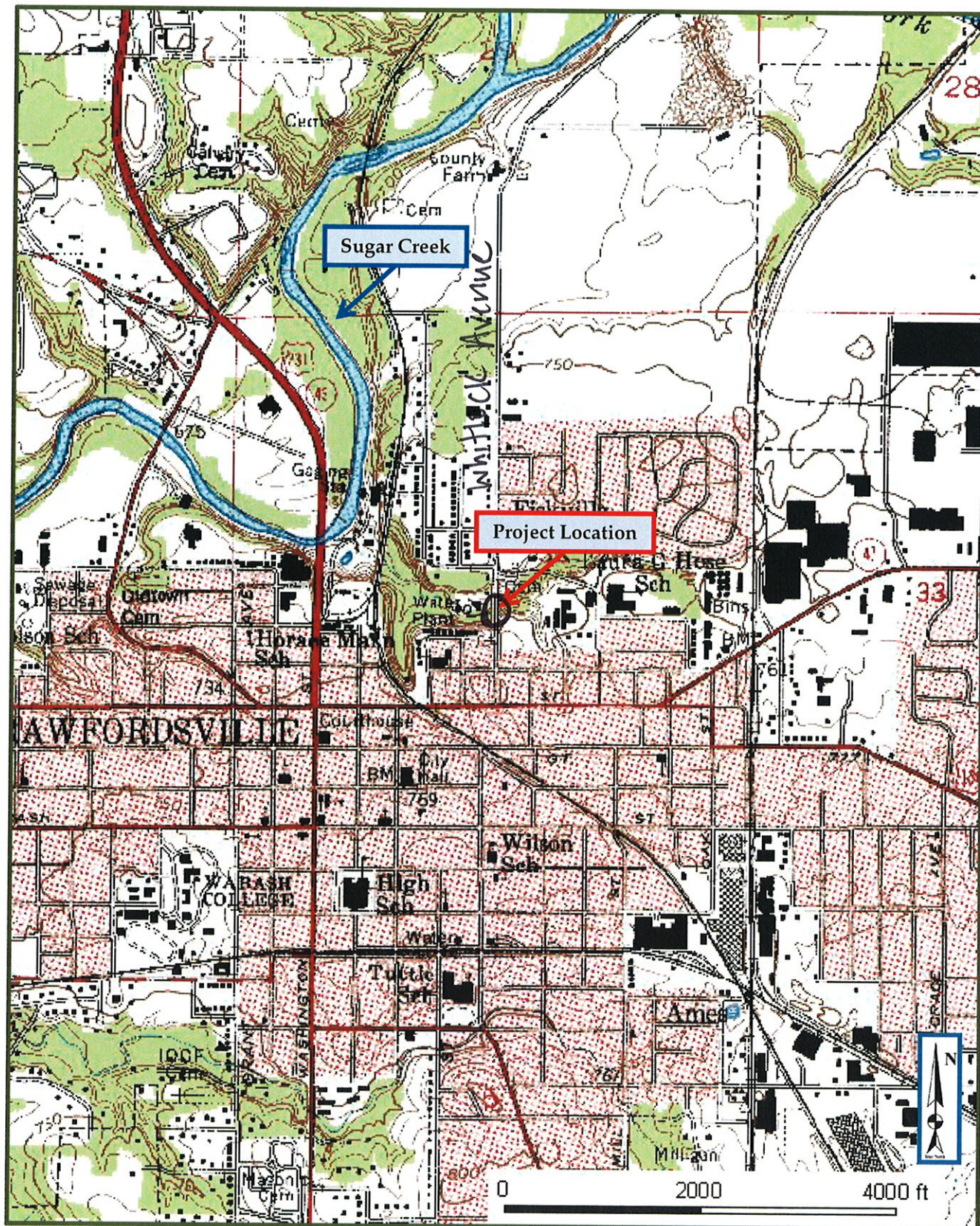
**Comment period:** Any person or entity who wishes to submit comments or information relevant to the aforementioned project may do so by the closing date noted above. Only comments or information related to water quality or potential impacts of the project on water quality can be considered by IDEM in the water quality certification review process.

**Public Hearing:** Any person may submit a written request that a public hearing be held to consider issues related to water quality in connection with the project detailed in this notice. The request for a hearing should be submitted within the comment period to be considered timely. The request should also state the reason for the public hearing as specifically as possible to assist IDEM in determining whether a public hearing is warranted.

**Questions?** Additional information may be obtained from Ms. Liz Pelloso, Project Manager, at 317-233-2482. Please address all correspondence to the project manager and reference the IDEM project identification number listed on this notice. Indicate if you wish to receive a copy of IDEM's final decision. Written comments and inquiries may be forwarded to -

Indiana Department of Environmental Management  
100 North Senate Avenue  
MC65-42 WQS IGCN 1255  
Indianapolis, Indiana 46204-2251  
FAX: 317/232-8406





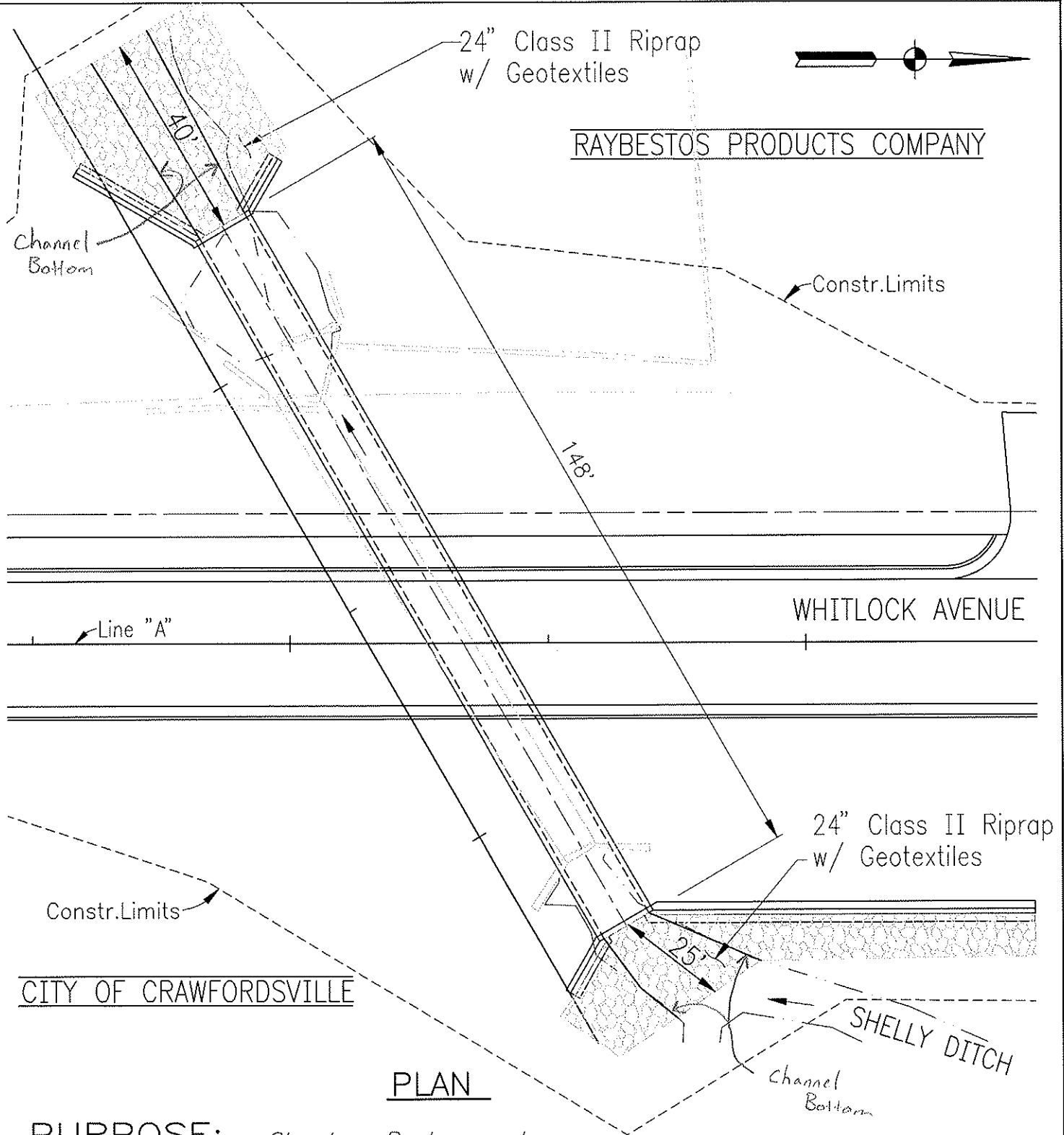
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Beam, Longest and Neff, L.L.C.  
Consulting Engineers & Land Surveyors

USGS Topographic Map  
Culvert Replacement Project  
Whitlock Avenue over Shelly Ditch  
City of Crawfordville; Montgomery County  
A-2



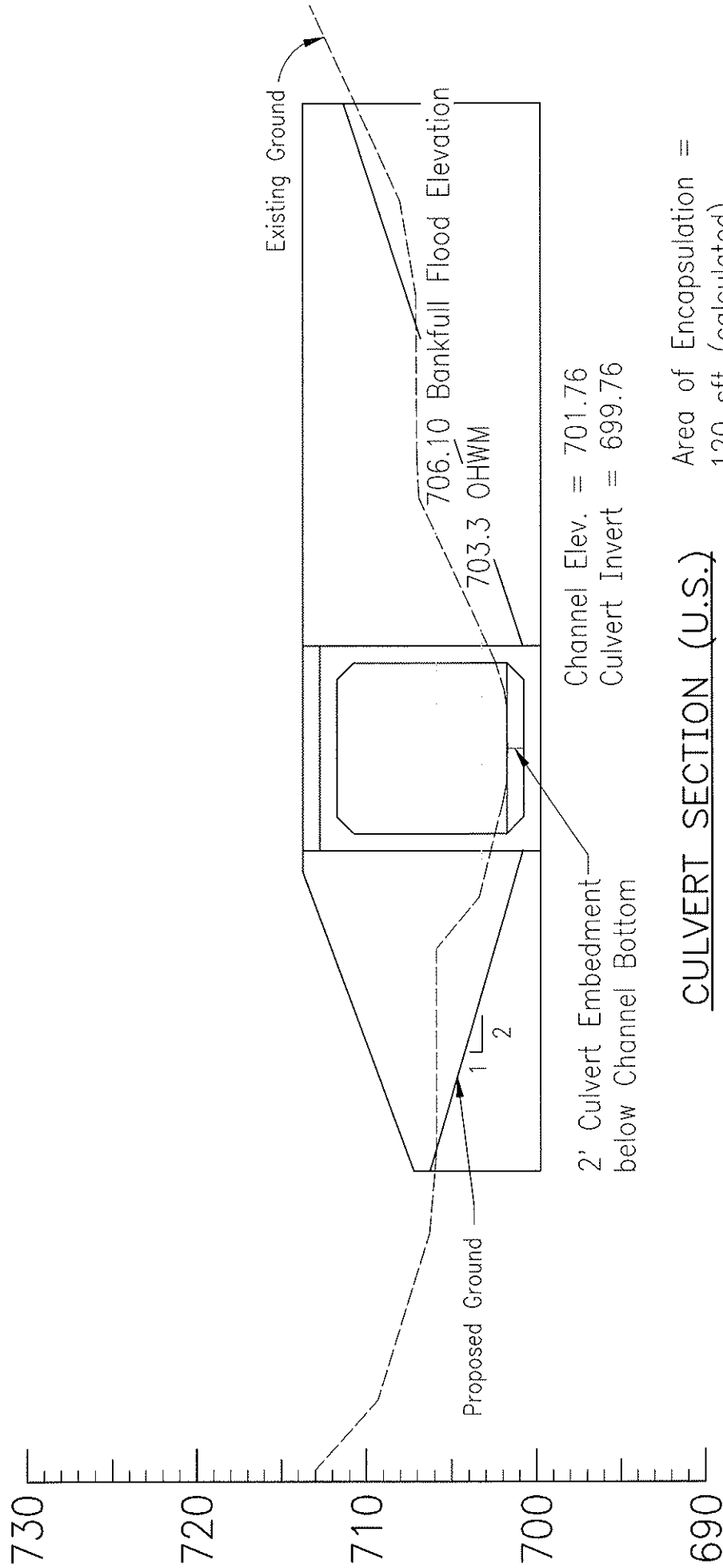


PURPOSE:     *Structure Replacement*

DATUM:        *Mean Sea Level*

PROJECT:     *Replacement of Existing Small Structure  
on Whitlock Ave. over Shelly Ditch  
Section 32, T.19N., R.4W.  
Union Township, Montgomery County, IN.*

APPLICANT:   *City of Crawfordsville*



### CULVERT SECTION (U.S.)

Area of Encapsulation =  
120 sft (calculated)

OHWM Cross Section =  
15 sft (measured)

Bankfull Cross Section =  
33 sft (measured)

% Area of Encapsulation Oversize:

OHWM =  $(120 - 15) / 15 = 700\%$

Bankfull =  $(120 - 33) / 33 = 263\%$

\*\*CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION SEQUENCE, MEANS, AND METHODS OF THE CULVERT REMOVAL AND REPLACEMENT.

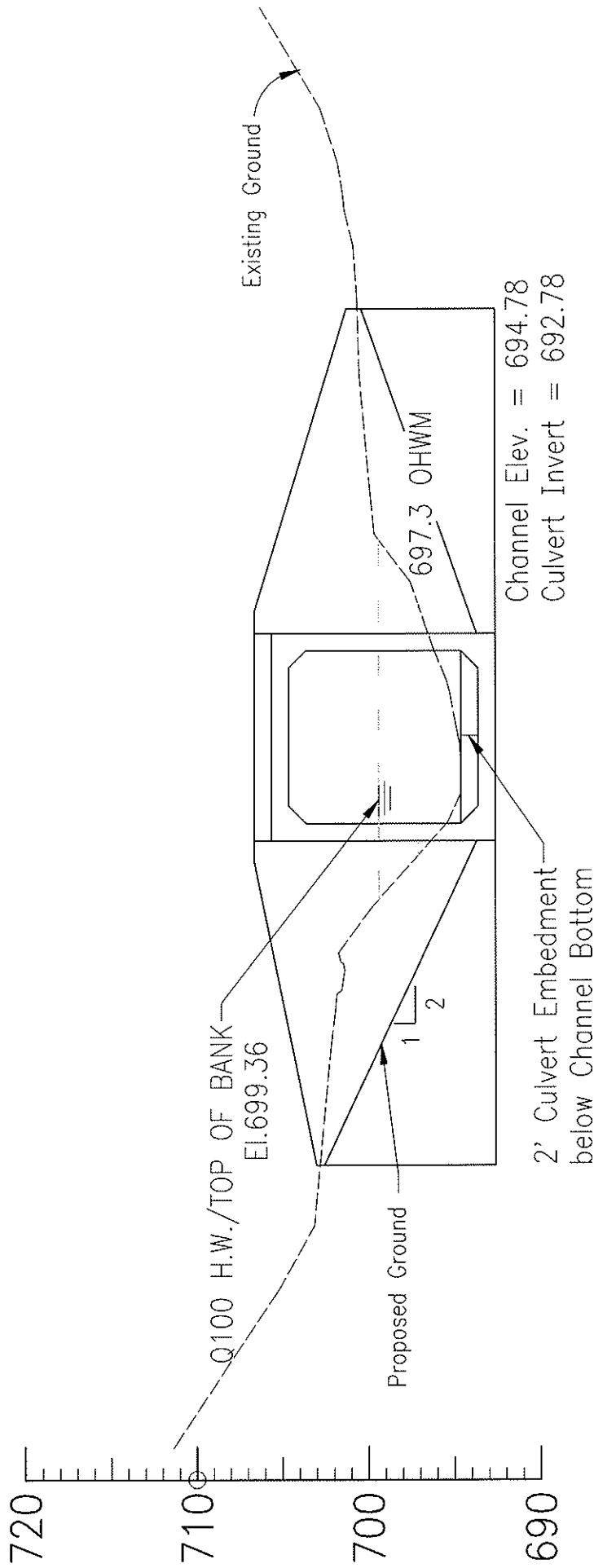
THE ROAD IS CURRENTLY CLOSED AND IT IS OUR ASSUMPTION THAT THE CONTRACTOR WILL UTILIZE THE ROAD AREA AS A STAGING AREA FOR CONSTRUCTION. WE DO NOT ANTICIPATE THE USE OF ANY COFFERDAMS, TEMPORARY STREAM CROSSINGS, OR TEMPORARY ACCESS TO THE STREAM.

WE ANTICIPATE THE CONTRACTOR TO INSTALL EROSION CONTROL MEASURES, EXCAVATE AND REMOVE THE EXISTING CULVERT AND RETAINING WALLS, INSTALL THE NEW CULVERT AND WINGWALLS, BACKFILL AROUND THE STRUCTURE, AND PLACE RIPRAP AT THE INLET AND OUTLET OF THE STRUCTURE.

PROJECT: Replacement of Existing Small Structure  
on Whitlock Ave. over Shelly Ditch

APPLICANT: City of Crawfordsville

SHEET NO. 5 OF 6 DATE: 9/8/10



### CULVERT SECTION (D.S.)

Area of Encapsulation = 120 sft  
(calculated)

OHWM Cross Section = 23 sft  
(measured)

Bankfull Cross Section = 70 sft  
(measured)

% Area of Encapsulation Oversize:

OHWM =  $(120 - 23) / 23 = 422\%$

Bankfull =  $(120 - 70) / 70 = 71\%$

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PROJECT: Replacement of Existing Small Structure  
on Whitlock Ave. over Shelly Ditch

APPLICANT: City of Crawfordville